

AMENDMENTS TO THE CLAIMS

1. (Currently amended) An image data generating apparatus for generating image data of a predetermined data format from a plurality of images corresponding to a plurality of viewpoints, comprising:

an information generating means for generating an integration information that indicates whether images from different viewpoints have been integrated into a single image or not and an image placement information that indicates a placement ~~moder~~relationship of the images from the different viewpoints inside of the single integrated image when the images from the different viewpoints are integrated into the single image,

wherein the data format includes the integration information and the image placement information, and

the image placement information includes information on the placement relationship in which the viewpoint images are positioned by rotation of a predetermined angle, and a placement order information that indicates whether the images are arranged in an order of the viewpoints or in a reverse order of the viewpoints.

2. (Cancelled)

3. (Currently amended) The image data generating apparatus according to Claim 1 ~~Claim 2~~, wherein the predetermined angle is one or plural among 0 degrees, 90 degrees clockwise, 180 degrees clockwise and 270 degrees clockwise.

4. (Currently amended) The image data generating apparatus according to Claim 1, wherein the image placement information is ~~composed of~~includes a placement direction information that indicates whether the images are arranged vertically or horizontally ~~and a placement order information that indicates whether the images are arranged in an order of the viewpoints or in a reverse order of the viewpoints.~~

5. (Currently amended) The image data generating apparatus according to Claim 1, wherein the image placement information is information on the placement ~~mode~~relationship of the images in which placements of the viewpoint images are positioned by rotation of a predetermined angle, information on the placement ~~mode~~relationship of the images in which positions of the images are inverted in a predetermined direction based on a positional relationship of the viewpoints, or information on a combined ~~mode~~relationship of the two placement ~~modes~~relationships.

6. (Original) The image data generating apparatus according to Claim 5, wherein the predetermined angle is one or plural among 0 degrees, 90 degrees clockwise, 180 degrees clockwise and 270 degrees clockwise, and the predetermined direction is one or plural among a horizontal direction and a vertical direction.

7. (Currently amended) An image data reproducing apparatus for reproducing a plurality of images corresponding to a plurality of viewpoints, from image data of a predetermined data format, comprising:

an analyzing means for analyzing the predetermined data format,

wherein the analyzing means analyzes an integration information that indicates whether images from different viewpoints have been integrated into a single image or not and an image placement information that indicates a placement ~~moder~~relationship of the images ~~having been integrated from the different viewpoints inside of the single integrated image~~, and reproduces the plurality of images using the integration information and the image placement information, and the image placement information includes information on the placement relationship in which the viewpoint images are positioned by rotation of a predetermined angle, and a placement order information that indicates whether the images are arranged in an order of the viewpoints or in a reverse order of the viewpoints.

8. (Cancelled)

9. (Currently amended) The image data reproducing apparatus according to Claim 7~~Claim 8~~, wherein the predetermined angle is one or plural among 0 degrees, 90 degrees clockwise, 180 degrees clockwise and 270 degrees clockwise.

10. (Currently amended) The image data reproducing apparatus according to Claim 7, wherein the image placement information ~~is composed of~~includes a placement direction information that indicates whether the images are arranged vertically or horizontally ~~and a placement order information that indicates whether the images are arranged in an order of the viewpoints or in a reverse order of the viewpoints.~~

11. (Currently amended) The image data reproducing apparatus according to Claim 7, wherein the image placement information is information on the placement ~~mode~~relationship of the images in which placements of the viewpoint images are positioned by rotation of a predetermined angle, information on the placement ~~mode~~relationship of the images in which positions of the images are inverted in a predetermined direction based on a positional relationship of the viewpoints, or information on a combined ~~mode~~relationship of the two placement ~~mode~~relationships.

12. (Currently amended) The image data reproducing apparatus according to ~~Claim 7~~Claim 11, wherein the predetermined angle is one or plural among 0 degrees, 90 degrees clockwise, 180 degrees clockwise and 270 degrees clockwise, and the predetermined direction is one or plural among a horizontal direction and a vertical direction.